

Applicant : Nai-Kong Cheung
USSN : 10/621,027
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Examiner : Eric Olson
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Atty. Dkt. No.: 639-B-PCT-US
Art Unit: 1623
Date of office action: August 7, 2007
Date of response: November 6, 2007

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-192 (Canceled).

193. (Currently amended) ~~An anti-cancer pharmaceutical combination~~
A composition[[,]] comprising:

- (a) ~~a composition comprising an amount of~~ a complement-activating antibody that binds to a cancer cell, and at least one pharmaceutically acceptable carrier; and
- (b) an orally administered composition comprising a 1,3- β glucan derived from barley ~~having a molecular weight of from about 120,000 Da to about 450,000 Da,~~ in an amount effective to enhance the antibody's anti-tumor effect, and at least one pharmaceutically acceptable carrier; wherein the antibody binds to a cancer cell expressing an antigen selected from the group consisting of CD20, HER2, EGFR, GD2, and GD3.

194. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193 wherein compositions (a) and (b) are administered to the subject concurrently or sequentially.

195. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193, wherein the antibody is a monoclonal antibody.

196. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193, wherein the antibody is further

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capable of activating an antibody dependent cell-mediated cytotoxicity response.

197. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193, wherein the antibody is directed to a cancer cell expressing the antigen EGFR.
198. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193, wherein the antibody is directed to a cancer cell expressing the antigen GD2.
199. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193, wherein the antibody is directed to a cancer cell expressing the antigen GD3.
200. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193, wherein the antibody is directed to a cancer cell expressing the antigen CD20.
201. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193, wherein the antibody is directed to a cancer cell expressing the antigen HER2.
202. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 193, wherein the cancer cell expressing CD20 is non-Hodgkin's lymphoma, Hodgkin's lymphoma, or Epstein-Barr related lymphoma.
203. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 202, wherein the lymphoma is non-Hodgkin's lymphoma.

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204. (Currently amended) The composition pharmaceutical combination of claim 197, wherein the cancer cell expressing the EGFR is an epidermoid cancer cell.
205. (Currently amended) The composition pharmaceutical combination of claim 198, wherein the cancer cell expressing the antigen GD2 is a neuroblastoma.
206. (Currently amended) The composition pharmaceutical combination of claim 199, wherein the cancer cell expressing the antigen GD3 is a melanoma cancer cell.
207. (Currently amended) The composition pharmaceutical combination of claim 201, wherein the cancer cell expressing the antigen HER2 is a breast cancer cell.
- 208-211. (Canceled)
212. (Currently amended) The composition pharmaceutical combination of claim 193, wherein the amount of the orally administered 1,3- β glucan is about \geq 25 mg/kg/day, five days a week for a total of 2-4 weeks.
- 213-218. (Canceled)
219. (Currently amended) ~~An anti-cancer pharmaceutical combination, comprising,~~ A composition comprising:
- (a) ~~a composition comprising an amount of~~ a complement-activating antibody that binds to a cancer cell, and at least one pharmaceutically acceptable carrier; and
 - (b) an orally administered composition comprising a 1,3- β glucan derived from barley ~~having a molecular weight of from about 120,000 Da to about 450,000 Da,~~ in an amount

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effective to enhance the antibody's anti-tumor effect,
and at least one pharmaceutically acceptable carrier;
wherein the cancer cell is selected from the group
consisting of neuroblastoma, melanoma, non-Hodgkin's
lymphoma, breast cancer, Epstein-Barr related lymphoma,
Hodgkin's lymphoma, and epidermoid carcinoma.

220. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein compositions (a) and (b) are administered to the subject concurrently or sequentially.
221. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein the antibody is a monoclonal antibody.
222. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein the antibody is further capable of activating an antibody dependent cell-mediated cytotoxicity response.
223. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein the antibody is directed to EGFR (epidermal growth factor receptor).
224. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein the antibody is directed to antigen GD2.
225. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein the antibody is directed to antigen GD3.

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226. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein the antibody binds to the antigen CD20.

227. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein the antibody binds to the antigen HER2.

228-231. (Canceled)

232. (Currently amended) The composition ~~pharmaceutical combination~~ of claim 219, wherein the amount of the orally administered β glucan is about \geq 25 mg/kg/day, five days a week for a total of 2-4 weeks.

233-238. (Canceled)